

# Course Descriptions

## **#103 Ecology for Engineers**

Provides Corps personnel with the basics and state-of-the-art knowledge of ecology. Focus is on integrating ecological concepts with engineering.

**4-8 Aug 03      Seattle, WA**

## **#130 Recreation Use Estimation Procedures**

Provides Corps personnel with the approved procedures for developing sampling plans, collecting, analyzing, and reporting recreation use for developed recreation areas.

**Not Offered this FY**

## **#137 Reg V – Wetland Functions & Values**

An interagency course designed for employees of Federal agencies involved in the evaluation of wetland functions. It focuses on applications of the Hydrogeomorphic Approach (HGM) for assessment of wetland functions.

**7-11 Jul 03      Central US**

## **#140 Reg IV – Wetlands Identification & Delineation**

An interagency course based on the current Federal Wetland Delineation Manual. It provides the student with a basic understanding of the interaction of vegetation, soils, and hydrology in wetlands in sufficient detail to apply delineation methods in routine cases.

**7-11 Apr 03      Mobile, AL**

## **#168 Ecological Resources: Identification, Analysis, & Evaluation**

Provides training in defining, acquiring, analyzing, and reporting ecological resources data required to comply with laws, Executive orders, and Corps policy.

**28 Apr-2 May 03      Vicksburg, MS**

## **#239 Wetland Mitigation Bank Development & Management**

Presents the principles of planning, design, implementation, and management of mitigation banks as a mechanism in compensating for wetland losses.

**23-27 Jun 03      Orlando, FL**

## **#263 Coastal Ecology**

Provides an overview of the latest scientific and analytical techniques in the field of coastal ecology. Students are introduced to the basic concepts of marine/estuarine ecology, sensitive resources, experimental design, and current marine ecological techniques through a series of lectures, practical exercises, and field trips.

**16-20 Jun 03      Monterey, CA**

## **#264 Ecosystem Planning & Management Issues**

Provides a specialized base of knowledge for effectively dealing with current major ecological issues and integrating them into an ecosystem setting.

**14-18 Jul 03      Lafayette, LA**

## **#272 Fundamentals of Wetlands Ecology**

Provides an introduction and overview of basic wetland concepts and principles in the context of planning and operating civil works environmental and mitigation projects.

**#1: 2-6 Jun 03      Annapolis, MD**

**#2: 4-8 Aug 03      Olympia, WA**

## **#273 Wetlands Evaluation Procedures**

Provides an overview of existing wetland evaluation procedures and case study applications to wetland systems for environmental impact assessment purposes.

**24-28 Mar 03      Mobile, AL**

## **#275 Wetlands Constructed for Water Quality Improvement**

Provides CE personnel knowledge that is essential to construct wetlands that will achieve predetermined levels of water quality improvement. Emphasis is placed on planning, design, engineering, construction, operations and maintenance, and monitoring.

**7-11 Jul 03      Orlando, FL**

## **#276 Wetlands Development & Restoration**

Provides introductory training in the concepts and practices of wetlands restoration and development in both freshwater and coastal areas.

**#1: 24-27 Mar 03      Apalachicola, FL**

**#2: 18-21 Aug 03      Olympia, WA**

## **#280 Interdisciplinary Training for Ecosystem Restoration**

Offers training in interdisciplinary principles and topics to improve communication in ecosystem project planning.

**19-23 May 03      Vicksburg, MS**

## **#281 Riparian Zone Ecology, Restoration, & Management**

Addresses planning, restoration, and management of riparian ecosystems in a variety of ecological and geographical settings.

**11-15 Aug 03      Louisville, KY**

## **#426 Wetland Riverine Functional Assess/ Ecology for Project Managers Workshop**

Provides project managers with an introduction to the new river ecology knowledge which is essential in meeting restoration and enhancement mitigation objectives. Focus is on small and large riverine systems in eastern and western USA.

**7-10 Oct 02      Kallispell, MT**

## **#439 Constructed Wetlands for Habitat Mitigation**

Identifies the procedures for completion of large-scale wetland ecosystem level construction projects.

**28-31 Jul 03      Olympia, WA**

## **#440 Hydrology & Construction of Mitigation Wetlands**

Provides knowledge of wetland hydrology to fulfill the demand for large-scale ecosystem restoration projects.

**24-27 Feb 03      Apalachicola, FL**

# Courses offered for FY03

The PROSPECT program, managed by the Professional Development Support Center, is designed to meet unique Corps of Engineers and other governmental agency training needs. The courses in this brochure, coordinated by the Environmental Laboratory, address many ecological planning, restoration, and management issues that the Corps and other agencies (Federal & State) are now facing both on project and ecosystem levels. Courses being offered for FY03 are described within this brochure.



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## For More Information Contact:

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**US Army Corps  
of Engineers**

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# PROSPECT COURSES FY03

